

## GENERAL

### INTERSECTION OPERATION

NEW AUDIBLE PUSHBUTTON ACTUATED PEDESTRIAN PHASES WILL BE PROVIDED ACROSS THE NORTH LEG OF MD 2 AND THE EAST AND WEST LEGS OF MARLEY STATION ROAD.

A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS GOVERNOR RITCHIE AT MARLEY STATION. SECOND PUSHBUTTON IN MEDIAN. WAIT".

APS MESSAGE FOR CROSSING OF MD 2 (GOVERNOR RITCHIE HIGHWAY) FROM NORTHWEST CURBSIDE:

B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

A. WHEN PEDESTRIAN LOCATES AND PASSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS GOVERNOR RITCHIE AT MARLEY STATION, WAIT".

APS MESSAGE FOR CROSSING MARLEY STATION ROAD:

B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

## CONTROLLER REQUIREMENTS

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA:

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. MIKE HUBER  
ASSISTANT DISTRICT ENGINEER - UTILITY  
PHONE: (410) 841-1039

MR. RICHARD L. DAFF  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

MR. ED RODENHIZER  
SUPERVISOR - SIGNAL SHOP  
PHONE: (410) 787-7650

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

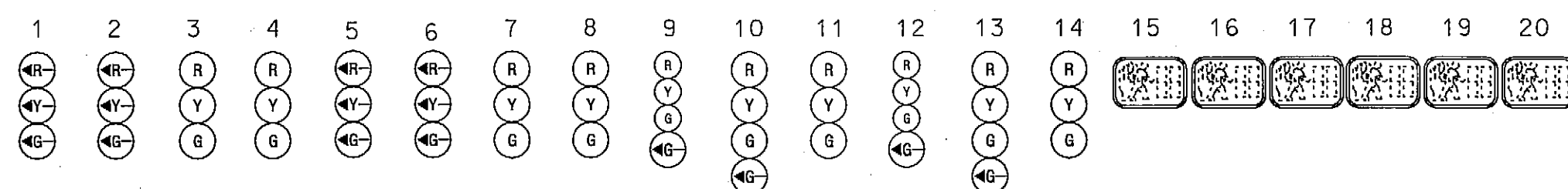
<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
2002	1	CY	TEST PIT EXCAVATION
5005	700	LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	7	EA	FURNISH AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8002	3	EA	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE - ANY SIZE
8003	6	EA	FURNISH AND INSTALL 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8005	1	EA	REMOVE AND DISPOSE PER ASSIGNMENT
8008	75	LF	FURNISH AND INSTALL UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8012	75	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8015	7	SF	INSTALL GROUND MOUNTED SIGN
8020	1200	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8021	1000	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

## EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA:

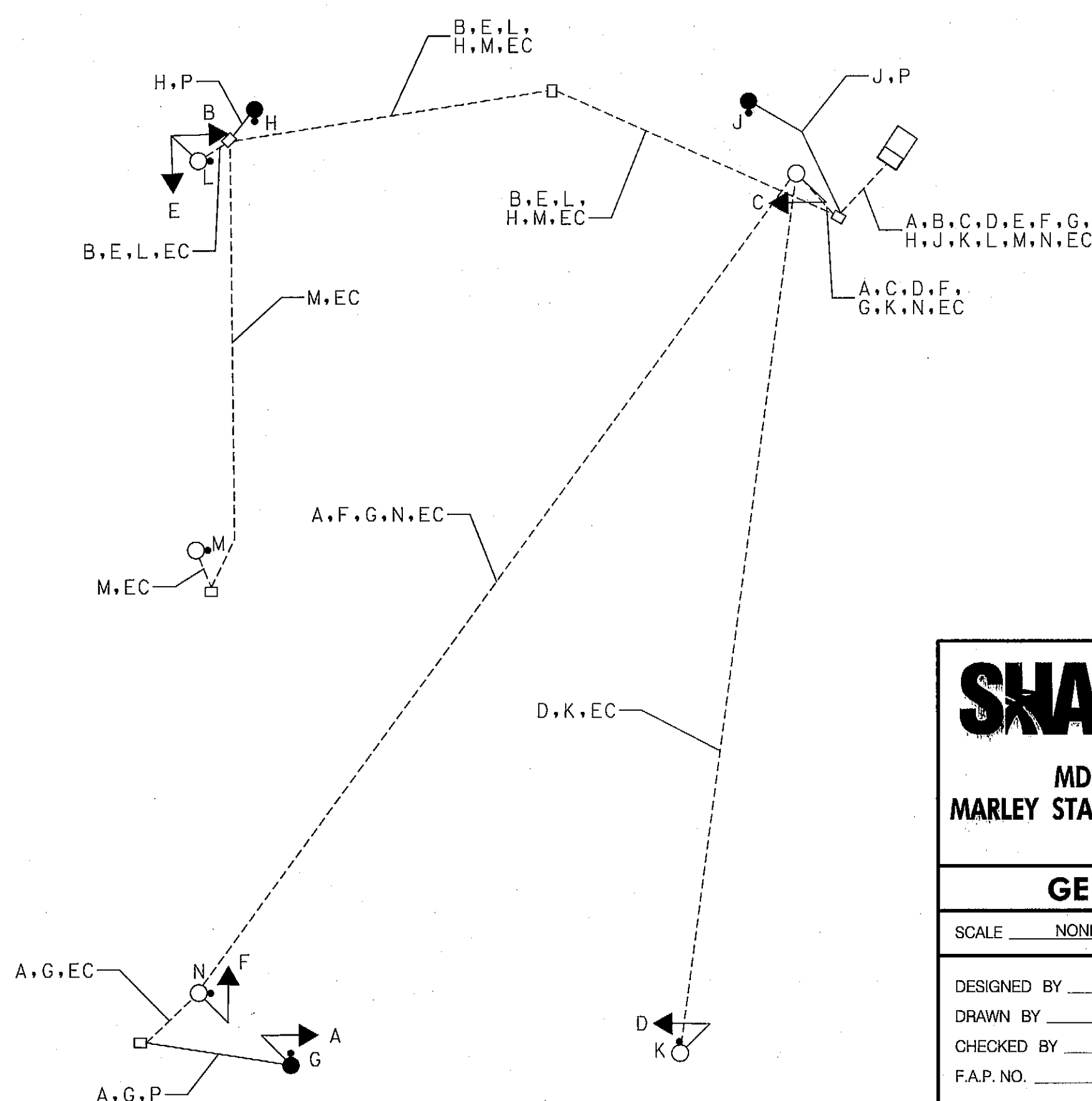
NONE.

### PHASE CHART



PHASE 1 + 5	←G←	←G←	R	R	←G←	←G←	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5, OR PHASE 2 + 6																			
PHASE 1 + 6	←G←	←G←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 + 6 CHANGE	←Y←	←Y←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 + 5	←R←	←R←	R	R	←G←	←G←	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2 + 5 CHANGE	←R←	←R←	R	R	←Y←	←Y←	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 + 6	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	R	R	W	W	W	W	DW	DW
PED CLEARANCE	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	←R←	←R←	Y	Y	←R←	←R←	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	←G←	←G←	G	DW	DW	DW	DW	DW	DW
3 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	←G←	←G←	G	DW	DW	DW	DW	W	W
PED CLEARANCE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	←G←	←G←	G	DW	DW	DW	DW	FL/DW	FL/DW
3 ALT CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4	←R←	←R←	R	R	←R←	←R←	R	R	←G←	←G←	G	R	R	R	DW	DW	DW	DW	DW	DW
4 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/←R	FL/←R	FL/Y	FL/Y	FL/←R	FL/←R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

## WIRING DIAGRAM



WIRING KEY

A,B,C, } 5 CONDUCTOR ELECTRICAL CABLE  
D,E,F } (NO. 14 AWG)

G,H,J,K, } 2 CONDUCTOR ELECTRICAL CABLE  
L,M,M } (NO. 14 AWG)

P } STRANDED BARE COPPER GROUND  
WIRE (NO. 6 AWG)

EC } EXISTING CABLE



**SNA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 2 (GOVERNOR RITCHIE HIGHWAY) AT  
MARLEY STATION ROAD/MARLEY STATION MALL ENTRANCE  
GLEN BURNIE, MARYLAND**

## GENERAL INFORMATION SHEET

SCALE NONE DATE MAY 29, 2012 CONTRACT NO. AX6445378

DESIGNED BY NJM COUNTY ANNE ARUNDELDRAWN BY   NJM   LOGMILE   02000234.76  

CHECKED BY BSH T.I.M.S. NO. L147

F.A.P. NO. NA T.O.D. NO.                     

T.S. NO. 985E-G	SG-02 OF SG-02	SHEET NO. 6 OF 6
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FILE: I:\S212 - tedd\28 - ada\topa\design\engineering\p\anset\submittal6\MD 2 at Marley Station\pSG-N001\_985E.dgn